IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

1949

For

Applicant : K. Roger Aoki et al) Examiner:

Unknown Serial No. : Unknown

) Art Unit: Filed : December 27, 1993 : USE OF BOTULINUM TOXINS FOR Unknown

TREATING VARIOUS DISORDERS AND

CONDITIONS AND ASSOCIATED PAIN

December 27, 1993

INFORMATION DISCLOSURE STATEMENT

Commissioner of Patents and Trademarks Washington, D.C. 20231 Dear Sir:

Enclosed herewith are copies of patents and/or technical articles of which the Applicants are aware and are being submitted to the U.S. Patent and Trademark Office in accordance with 37 CFR 1.97. The enclosed U.S. Patents and/or technical articles are identified on the enclosed PTO-1449 Form and discussed hereinbelow.

AA. U.S. Patent No. 2,373,454, issued April 10, 1945. This patent is directed to the preparation of agents for the prophylaxis and therapy of tetanus. The method of preparing a tetanus toxin includes the incubation of Clostridium tetani in a liquid peptone containing medium in the presence of a small amount of activated charcoal and separated in a toxin from the charcoal.

AB. U.S. Patent No. 2,719,102, issued September 27, 1955. This patent discloses the manufacture of a toxoid for immunizing sheep against enterotoxemia caused by Clostridium perfringens, type D. The toxoid is obtained by the growth of Clostridium perfringens, type D, in a suitable culture medium, followed by formalization to convert protoxin and toxin to toxoid. Thereafter, treatment with alum and subsequent adjustment of the pH of the alum treated product by the addition of an alkaline material is performed.

INFORMATION DISCLOSURE STATEMENT Page 2

- AC. U.S. Patent No. 4,713,240, issued December 15, 1987. This patent is directed to a vaccine composition which includes an immunogenic-effective amount of antigen, chemically linked to a water insoluble support in combination with a pharmaceutically accepted carrier. A method of making monoclonal antibodies by providing to the host organism is used for the production of lymphocytes.
- AD. U.S. Patent No. 4,932,936, issued June 12, 1990. This patent is directed to an apparatus and the method for the pharmalogical control of urethral spasticity which includes the injection of botulinum A toxin.
- AE. U.S. Patent No. 5,055,291, issued October 8, 1991. This patent discloses methods and compositions for the inhibition of posterior lens capsule opacification after extracapsular cataract extraction. The method includes using a cytotoxic agent specific for epithelial cells, with said site cytotoxic agent being a conjugate of protein macromolecules capable of binding substantially specifically to epithelia cells.
- AF. U.S. Patent No. 5,055,302, issued October 8, 1991. This patent discloses various methods and compositions for regulating the growth of an animal's eye, which includes the administration of an effective amount of neuropeptides, vasoactive intestinal peptide, PHI or analogs of these peptides to the eye of an animal.

INFORMATION DISCLOSURE STATEMENT Page 3

AG. U.S. Patent No. 5,053,005, issued October 1, 1991. This patent discloses the use of botulinum A toxin for blocking muscle stimulation in order to influence the spinal curvature.

AH. U.S. Patent No. 5,183,462, issued February 2, 1993. This patent discloses a method of measuring the activity of neurotoxin derived from chemodenervation pharmaceutical preparations, such as botulinum toxin derived preparations. Applications for the botulinum toxins include the inhibition of a tooth wear, cosmetic wrinkle reduction, stroke and cerebral-spinal injury, cerebral palsey, multiple sclerosis and parkinson's disease.

AI. U.S. Patent No. 3,132,995, issued May 12, 1964. This patent discloses novel bacterial endotoxin fractions, which are capable of conferring a high degree of protection to warm-blooded animals against infectious? diseases.

The Applicants do not believe that the hereinabove referenced patents anticipate or suggest the present invention as claimed, and that one skilled in the art

INFORMATION DISCLOSURE STATEMENT Page 4

would not find the present invention obvious in view of the cited art.

Respectfully submitted,

Walter A. Hackler, Reg. No. 27,792

Attorney of Record

2372 S.E. Bristol - Ste B

Santa Ana Heights, CA 92707

(714) 851-5010

FORM	PTO-	-14	19 (Мо	diffe	9 ([be					ATTY. DOCKET		s	ERIAL NO			
									TIONS FO		1949	1		UNK	nou	n	
APPL	JCAN	11.2			TEX			DI:	SCLOSUR	E	APPLICANT	01<	(E:	T. AL	,		
•	(Use	301	101 2	ri e	hoo	ts i	f ne)Ce:	ssery)		FILING DATE			ROUP			
														UNKA	lown		
REFERE	NCE	DE	SIC	W	TIC	M			U.S. PA	TENT	DOCUMENTS						
EXMINER MIM.			DC	CUM	en i		9ER		DATE		XALE		ana	SUBCLASS		FLING DATE FAPPROPRIATE	
	М	2	3	-	3	4	-	÷	4/45		Bumy ETAL	_	167	78			
	AB	3	1	3	2	-	9	ٽ	5/64		ergek by a		167	78			
	<u>KC</u>	4	_	÷	_	2	•-	0	12/87		KINS IET AL		424	92			
	10		9	1	12	٩	-	5	6/90		DYESTRA ET		604	5/	<u> </u>		
	Æ	5	0	_	2	_	9	1	10/51		LAM FTA		424	85.91			
	JF JG	5	0	•	5	_	_	2	16/91		LATIES BYA		604	51			
	- AH	5	1	5	3	9		2	2/93		BO RUDIC RUKOPK		664	51			
	A	ء	_	_	दि	_	0	2	9/55		BALDWIA		167	78	 		
	N	Ť	广	۲		-	۲		,,,,,,		57	\neg	,				
	AK		Г	Γ		一	Η			•							
FOREIGN PATENT DOCUMENTS																	
		DOCUMENT NUMBER			DATE	•	COUNTRY		ana a	STBCT722	TRAKS	LATION					
		Ļ													YES	HO	
	N.		_									_ _					
	М											_					
	KK											.			<u> </u>	<u> </u>	
	10																
	AP .																
	ОТН	EF	1		AF	₹T	(In	ciı	iding Ai	uthor	, Title, Date, Pe	ertine	ent Pag	ges, Etc	<u>-)</u>		
l	AR .																
	^																
	JS.																
	~				•												
					_		-										
	AT					_	•	<u> </u>									
EXAMI	NER	لبا	•								DATE CONSID	ERED)				
EXAMIN MPEP 60 of this fo	a;ec	ray	v li	ne	thr	ou	gh	cit	ation if n	ot in	vhether or not o conformance an	citation and no	on is in t consi	n confordered. In	manc	e cop	

(Information Disclosure Statement—Section 9 PTO-1449 (Modified) [6-1]—page

FORM PTO-1449 (Modified)

LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT

ATTY, DOCKET NO.	SERIAL NO. UNKNOWN
APPLICANT	
AUKI	ET. A'L
FILING DATE	GROUP

	(Use several sheets if necessary)								AUKI ET. A'L								
	(Use	961	/O/12	7 S	hoo	ets i	f ne	908	ssary)		AU	ING DAT	Έ	G	ROUP Unka	10W	۸
REFER	ENCE	DE	SiG	N.	ATIC	NC			U.S. PA	TENT	DOCU	MENTS					
EXAMPLE NETAL			00	СМ	en	NULL	867		DATE		KALE		auss	STBCT YZZ	FLING CATE		
W	M	12	3	7	3	4	5	4	4/45	E	2 max	Y ET	34	167	78		
@	-18	3	-	3	2	_	9	_	5/64			5K 67		167	78		
a	IC.	-	7	ī	3		4	_	12/87			سرعر		424	92	_	
1	10	-	9		2	9			6/90			STRA		604	5/		
æ	Æ	3	2	5		_	9	i	10/41			m 137		424	85.91		
e_	NF.	5	0	-	 -		_	2	15/91			ES ET		424	427		
0	AG	5	0	_	_		a	5	10/91			ORUD		604	51		
(a)	. WH	5	1	8	3	4	6	2	2/93			UROP		604	51		
e	A	عا	7	1	9	7	0	Z	9155	_		ALDU		167	78		
•	N																
	AK.									•							
	FOREIGN PATENT DOCUMENTS																
								TRING	LATION								
	DOCUMENT NUMBER		DATE	•	α	INTRY	ļ	ans	SUBCLUSS								
					_	_	,	_						YES	110		
	Æ				.	j											
	Ж																
	, KA	\dashv	\dashv	-		\dashv	\dashv	\dashv									
						-	\dashv										
	10		_														
1	NP																•
	ОТН	ER	 !		AF	'	(In	ciu	iding Au	uthor,	Title	, Date,	Pertir	ent Pag	ges, Etc.	.)	<u> </u>
T		Т										•					
	AR																
														* <			
İ	AS	1				_										-	
	AT																•
										·····							
EXAMI	NER		2	1	/	7		,			DAT	TE CONS	HOERE	D			
			QL)	10	Co	Æ	~	J				1/5	19	5			
FXAMIN	IED.	lo i	ادة	is	m²	000	200	<u> </u>	~neida	ad u	hatha	e or he	t citat	ion is in	contor	2000	a with

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Information Disclosure Statement—Section 9 PTO-1449 (Modified) [6-1]—page ——of

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE
FORM PTO-1449

Sheet	1	of	1

LIST OF ART CITED BY APPLICANT

ATTY. DOCKET:	: 16952 CON1 (BOT)	SERIAL NO.: 08/627,118
APPLICANT:	AOKI, et al.	TITLE: METHOD FOR TREATING SWEAT SECRETIONS AND SWEAT GLANDS USING A BOTULINUM TOXIN
FILING DATE:	APRIL 3, 1996	GROUP: 1654

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB-CLASS	FILING DATE (if applicable)
	AA						
	AB						
	AC						·
	AD						
	AE						

FOREIGN PATENT DOCUMENTS

	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION (yes/no)
BA						
BB						
BC						

OTHER ART

(Including Author, Title, Date, Pertinent Pages, etc.)

	CA	Grusser Von O-J, Die ersten systematischen Beschreibungen und tierexperiemtellen Untersuchungen des Botulisums, Sudhoffa Archiv (1986), 70(2), 167-186. English translation attached.
·	СВ	Kerner, J. Das Fettgift oder die fettsaure und ihre wirkungen auf den thierischen organismus, ein beytrag zur untersuchung des in verdorbenen wursten giftig wirkenden stoffes. Stuttgart und Tubingen: Cotta, 368 pages (1822); English translation of table of contents and of Chapter 8 enclosed.
	CC	
	CD	
	CE	
	CF	
	CG	
	CH	
	CI	

EXAMINER		 	_]	DATE	CONSIDERED	
	 	 			_	1.1 3 cm - coo m - 11	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

U.S. Departm	ent of Co	mmerce, Patent an	d Trademark Offic	ce PTO form 1449	Atty Docke	Serial No			
					16952 CON	16952 CON 1 (AP) 08/627,118			
INFO	RMATIO	N DISCLOSURE	STATEMENT BY	APPLICANT	Applicant(s	Applicant(s): Aoki et al.			
		(Use several she	ets if necessary)						
		<u>.</u>			Filing Date:	Filing Date: April 3 1996 Group1654			
			U.S. P	Patent Documents					
*Examiner	T	Document				Filing D			
Initial	·	Number	Date	Name	Class	Subclass	If Approp	riate	
	I AA	5,183,462	Feb. 2, 1993	Borodic					
	AB	4,720,494	Jan. 19, 1988	Felger et al.					
	AC	4,234,566	Nov. 18, 1980	Packman et al.					
	AD								
	AE								
	AF								
	<u> </u>	<u> </u>	Foreign	Patent Documents					
							Trans	slation	
	Document Date Country Class Subclass								
	BA								
	BB						i		
	BC								
	BD							 	
	1	OTHER A	RT (Including Au	thor, Title, Date, Perti	inent Pages, Et	c.)	<u> </u>	<u> </u>	
	CA	Bergmann, MD.	et al.: Selective De	generation of Sudomo hidrosis with Botulinu	otor Fibers in l	Ross Syndrome a	and Successfi c. 1998, pp.	ul 1790-	
	СВ			Neurotoxin for Axilla	ry Hyperhidro	sis; <u>Dermatol S</u> ı	<u>ırg.;</u> Aug. 19	98;	
	СС	Heneson, Nancy	Deadly Toxin Cal	lms Excited Muscles;]	New Scientist,	8 Dec. 1990, p.	24.		
	CD	Kaszynski, Edwi The Journal of Ir	n, et al.; Mouse Fouvestigative Derma	oot Screen for the Inhi tology, 1974, Vol. 62	bition of Sweat, pp. 510-513.	ting by Antichol	inergic Drug	s;	
	CE	Naumann, M., et Improvements in	al.; Botulinum To: Application; Britis	xin for Focal Hyperhi sh Journal of Dermato	drosis: Techni logy, 1998, 13	ical Considerati 9, pp. 1123-24.	ons and		
	CF	Naumann, Marki	ıs, et al.; Botulinur	n Toxin for Palmar H	yperhidrosis; <u>I</u>	Lancet, Jan. 25,	1997, Vol. 3	49.	
Examiner		1	Date Considered	d			- ;		
*EXAMINER	: Initial i	f reference conside	red, whether or no	et citation is in conform	mance with MI	PEP 609; Draw	line through		

					T					
U.S. Department of Co	ommerce, Patent and	Trademark Office		Atty Docket No.	Serial No.					
				16952 CON1 (AP)	08/627,118					
INFORMATI	ON DISCLOSURE	STATEMENT BY APPLICANT	Γ	Applicant(s) AOKI, e	t al.					
	(Use several shee	ets if necessary)								
				Filing Date	Group					
				April 3, 1996	1654					
	OTHER A	ART (Including Author, Title, D	ate, Pertin	ent Pages, Etc.)						
CG	atol, March 1998, Vol. 134,	рр. 301-04.								
СН	Naver, Hans, et al Neurology, 1997,	ver, Hans, et al.; The Treatment of Focal Hyperhidrosis with Botulinum Toxin; European Journal of urology, 1997, Vol. 4, Suppl 2, pp. S75-S79.								
CI	Odderson, Ib, MI Rehabil., March I	dderson, Ib, MD; Axillary Hyperhidrosis: Treatment with Botulinum Toxin A; Arch Phys Med. ehabil., March 1998, Vol. 79, pp. 350-52.								
. CI	CJ Schantz, Edward, et al.; Properties and Use of Botulinum Toxin and Other Microbial Neurotoxins in Medicine; Microbiological Reviews, Mar. 1992, pp. 80-95.									
СК	K Schnider, P., et al.; Double-Blind Trial of Botulinum A Toxin for the Treatment of Focal Hyperhidrosis of the Palms; British Journal of Dermatology, 1997, 136(4), pp. 548-52.									
CL	Shelley, W. B., et Academy of Dern	Shelley, W. B., et al.; Botulinum Toxin Therapy for Palmar Hyperhidrosis; Journal of the American Academy of Dermatology, Feb. 1998, 38 (2 Part 1), pp. 227-29.								
СМ	Stevens, Leslie M Relationship to th Biology, 1987, 12	., et al.; Development and Prope e Induction of Cholinergic Fund 3. pp. 179-190.	erties of th ction in Sw	e Secretory Response in Ra eat Gland Innervation; <u>De</u> v	t sweat Glands: velopmental					
CN										
СО										
СР										
CQ										
CR										
CS										
СТ										
Examiner		Date Considered								
*EXAMINER: Initial citation if not in confo	if reference consider	red, whether or not citation is in idered. Include copy of this for	conforma m with you	nce with MPEP 609; Draw ur communication to applic	line through					

Sheet 1 of 1

FORM PTC (Rev. 2-32)	FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 2-32) PATENT AND TRADEMARK OFFICE									ATTY. DOCKET NO.			SERIAL NO.	וטגט (Л
	ST	ORN	MEN	T BY	AP	PLIC	ANT	r .		APPLICANT AOKI	e				
	(Use several sheets if necessary)							Y) 	. <u></u>	FILING DATE UNKNOWN			ROUP	00	
						:	U	J.S. PAT	TENT	DOCUMENTS					
EXAMINER INITIAL		00	CUM	ENT	NUM	BER	,	DATE		NAME	CLA	ss	SUBCLASS		G DATE ROPRIATE
	+	-	-	-	-	-	-				-				· ·
	+	<u> </u>	_	-	_	L	_								
~	╁	-	-	_	\vdash		-				<u> </u>				
	+		_		_						<u> </u>				
	\perp														
					_										
						F	OF	REIGN P	ATEN	IT DOCUMENTS					
		DO	CHIMI	ENT I	VI IM	RER		DATE COUNTY		COUNTRY	CLASS	c	SUBCLASS	TRANS	LATION
		,	JV:III	J11 1		, , , , , , , , , , , , , , , , , , ,		UATE		UCA	» —	30000033	YES	NO	
	30	9	5	٦	8)	7/	10/95	-	PCT					
	+-														<u> </u>
	╀	H													
	╁					H					_				
	Ц	니 ~~			L						l				<u> </u>
 1	1	OT	HE	.H			JUI	MENTS (includ	ling Author, Title, [Date,	Pe	rtinent P	ages,	Etc.)
	L	_													
	-	-					 .						·- · · · · · · · · · · · · · · · · · ·		
	-	_													
	1							·							
									·						
								- 							
EXAMINER										DATE CONSIDERE	D				_
EXAMINER:	Initi	ial i	f c	itat	ior	1 00	กร	sidered.	wheth	er or not citation is	in co	nfo	rmance	with 1	MPEP

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE FORM PTO-1449

Sheet	1	of	1
-------	---	----	---

LIST OF PRIOR ART CITED BY APPLICANT

ATTY. DOCKET: 16952CON	SERIAL NO.: 08/627,118
APPLICANT: AOKI ET AL	TITLE: USE OF BOTULINUM TOXINS FOR TREATING VARIOUS DISORDERS AND CONDITIONS
FILING DATE: APRIL 3, 1996	GROUP:

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB-CLASS	FILING DATE (if applicable)
	AA	2373454	4/45	BUMY ET AL			
	AB	3132995	5/64	BERGER ET AL			
	AC	4713240	12/87	WILKINS ET AL	Ţ		
	AD	4832936	6/90	DYSTRA ET AL			
	AE	5056291	10/91	LAM ET AL			
	AF	5055302	10/91	LATIES ET AL			
•	AG	5053005	10/91	BORODIC			
	AH	5183462	2/93	BORODIC			
	AI	2719102	9/55	BALDWIN			
	AJ	5766605	6/98	SANDERS ET AL			
	AK	5437291	8/95	PASRICHA ET AL			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION (yes/n)
	AL	6528171	PCT				

OTHER PRIOR ART

(Including Author, Title, Date, Pertinent Pages, etc.)

			(Including Author, Title, Date, Pertinent Pages, etc.)
	AM	X	PURNGVARIN ET AL; J. MED. ASSOC. THAI. (1992 apr) 75 (4) 199-203
	AN	·X	CORRESPONDENCE DATED 12/10/91 BETWEEN WILLIAM C. SHEPHERD AND
, ,			IRA SANDERS
	AO	X	CORRESPONDENCE DATED 4/13/92 BETWEEN IRA SANDERS AND
l			ANGELIKA S. ASWAD REGARDING "ANIMAL STUDY"
	AP	X	PARTIAL CORRESPONDENCE DATED 4/24/92 BETWEEN ANGELIKA S.
	1	}	ASWAD AND DR. SANDERS REGARDING "BOTULINUM TOXIN TO
		1	DECREASE SALIVARY FLOW
	AQ	X	AMBACHE, J. PHYSIOL. (1951) 113, 1-17
	AR	X	BRIN. ARCH. DE NEUROBIOL. 54. SUPL. 3 (7-23) 1991
	1		
	1		

EXAMINER

DATE CONSIDERED

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

J.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE
EODM DTO 1440

Sheet	_1_	of_	1_
-------	-----	-----	----

SUPPLEMENTARY LIST OF ART CITED BY APPLICANT

ATTY. DOCKET:	16952CON(AP)	SERIAL NO.: 08/627,118
APPLICANT:	AOKI et al.	TITLE: Use of Botulinum Toxins For Treating Various Disorders and Conditions and Associated Pain
FILING DATE:	April 3, 1996	GROUP: 1654

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB-CLASS	FILING DATE (if applicable)
	AA						
	AB						

FOREIGN PATENT DOCUMENTS

	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION (yes/no)
BA						
BB						

OTHER ART

(Including Author, Title, Date, Pertinent Pages, etc.)

 CA	Ambache, N.; A Further Survey of the Action of Clostridium Botulinum Toxin upon Different Types of Autonomic Nerve Fibre; J. Physiol.; 1951; 113:1-17.
СВ	Jenzer, G., et al.; Type B Botulism, Report on Mild Courses with Predominantly Autonomic Nervous Impairment; Schweiz. Med. Wschr.; 104, 685-693; 1974. (English translation also enclosed.)
 CC	

EXAMINER	DATE CONSIDERED
*EXAMINER: Initial if reference considere	d, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in
conformance and not considered. Include co	py of this form with next communication to applicant.

			08/627,118	Application No. Applicant(s) O8/627,118 Aoki et al.				
Notice of References Cited			Examiner Anish G	Examiner Group Art Uni Anish Gupta 1654			t Page 1 of 1	
			U.S. PATENT DOCUMENTS					
	DOCUMENT NO.	DATE	NA	ME		CLASS	SUBCLASS	
А	5,766,605	06-16-98	Sanders et al.			424	239.1	
В			RECEIVED					
С					EP 7 1999			
D				_				
E				LE	GAL/PATEN	15		
F								
G								
н								
ı			7-7-					
L						-		
к								
L								
М								
		F	OREIGN PATENT DOCUMENT	rs				
	DOCUMENT NO.	DATE	COUNTRY	NAME		CLASS	SUBCLASS	
N						-		
Р								
٥								
R	£							
s								
T								
			NON-PATENT DOCUMENTS					
			g Author, Title, Source, and Pertinent				DATE	
U	File scisearch on STN. AN no. 93:162872. Price et al. 'A COMPARATIVE STUDY OF TEAR SECRETION IN BLEPHAROSPASM AND HEMIFACIAL SPASM PATIENTS TREATED WITH BOTULINUM TOXIN', J. of Clin. Neuro-Opthalmology, Vol. 13, No. 1, pp. 67-71. Mar. 1993.							
V	File Caplus on STN. DN no. 105:220509. Knight, D.E. 'BOTULINUM TOXIN TYPES A, B AND D INHIBIT CATECHOLAMINE SECRETION FROM BOVINE ADRENAL MEDULLARY CELLS', FEBS. Lett. Vol. 207, No. 2, pp. 222-226.							
w	Kondo et al. 'MODIFICATION OF THE ACTION OF PENTAGASTRIN ON ACID SECRETION BY BOTULINUM TOXIN', Experientia. Vol. 33, No. 6, pp. 750-751.							
x	,							

U. S. Patent and Frademark Office PTO-892 (Rev. 9-95)